

SEQUENCE LISTING

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<120> Tissue Plasminogen Activator-Like Protease

<130> PF378P1

<150> US 09/411,977

<151> 1999-10-04

<150> US 09/084,491

<151> 1998-05-27

<150> US 60/048,000

<151> 1997-05-28

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<170> PatentIn Ver. 3.1

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 <222> (488)..(489)
 <223> n equals a, t, g or c

<400> 9
 aattcggcag agggagaggg agatgcagcg aatcactctg cccttgtctg ccttcaccaa 60
 cccacactgt gagattgtgg atgagaagac tgtcgtgggc cacaccagcc agactccagt 120
 tgaccctcag gagggcagca ccccccttat gggaccaggg cggggactcc tggggcctga 180
 gccccnccag tggggcagga gccatggcag aactggtgc aggacagncc accctcctta 240
 cagctaggng ggaactacca ctttgtgttt ctgggttaaa accctaccac tncccnnggat 300
 tttttggcgg attccttagt taagagttna cagaagcagg tgggncctat ggcttggagg 360
 gtnaanggtg gggtangggg tcctaaanag tgggttnctt gggtgncntn ccntgggagg 420
 aagattttgg ttttnnnggn tggggnacag tggncagttt ccacagngtt gttgntgtta 480
 aggggttnnc aaaaaattg 499

<210> 10
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n equals a, t, g or c

<220>
 <221> misc_feature
 <222> (222)..(222)
 <223> n equals a, t, g or c

<220>
 <221> misc_feature
 <222> (292)..(292)
 <223> n equals a, t, g or c

<400> 10
 gggcacgaga tgaactccaa ggagnaaaaa ggacctggga actctgggta tgacgggtccc 60
 ccaccctgc ccttgttggg attcatcaag agatgtcatt tgctgattgt ctagggtgtg 120
 gctaattggga ccttgtgtcc tatccttggc aggctacgtg ctgggcatta ccatgatggg 180
 gatcatcatt gccatcgag ctggcatcat cttgggctac tnctacaaga ggtcagtagc 240
 ttctcttctg ggccctctta ggaggagggg aggaaggtac acaaagtcaa anct 294

<210> 11
<211> 28
<212> DNA
<213> Artificial sequence

<220>
<223> contains an Afl III restriction site

<400> 11
ggccgacatg tctggaggct gtttctgg

28

<210> 12
<211> 33
<212> DNA
<213> Artificial sequence

<220>
<223> contains a Hind III restriction site

<400> 12
ggcggaagct tattaggccc caggagtccc ggc

33

<210> 13
<211> 36
<212> DNA
<213> Artificial sequence

<220>
<223> contains a Bam HI restriction enzyme site and an efficient signal for initiation of translation in eukaryotic cells (Kozak, M., J. Mol. Biol. 196:947-950 (1987))

<400> 13
ggccgggatc cgccatcatg ctgttggcct gggtac

36

<210> 14
<211> 35
<212> DNA
<213> Artificial sequence

<220>
<223> contains an Asp 718 restriction site

<400> 14
ggccgggtac cttattaggc cccaggagtc ccggc

35

<210> 15
<211> 36
<212> DNA
<213> Artificial sequence

<220>
<223> contains a Bam HI site, a Kozak sequence, and an AUG start codon

<400> 15
ggccgggatc cgccatcatg ctgttggcct ggggtac

36

<210> 16
<211> 35
<212> DNA
<213> Artificial sequence

<220>
<223> contains an Asp 718 restriction site

<400> 16
ggccgggtac cttattaggc cccaggagtc ccggc

35

<210> 17
<211> 733
<212> DNA
<213> Homo sapiens

<400> 17
gggatccgga gcccaaattct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60
aattcgaggg tgcaccgtca gtcttctct tcccccaaa acccaaggac accctcatga 120
tctcccgga tcttgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
atccaagcga catcgccgtg gagggggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttct ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

<210> 18
<211> 86
<212> DNA
<213> Artificial sequence

<220>
<223> contains 18bp of sequence complementary to the SV40
early promoter sequence flanked with an XhoI site

<400> 18
 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
 cccgaaatat ctgccatctc aattag 86

<210> 19
 <211> 27
 <212> DNA
 <213> Artificial sequence

<220>
 <223> complementary to the SV40 promoter and flanked with a Hind III site

<400> 19
 gcgcaagct ttttgcaaag cctaggc 27

<210> 20
 <211> 271
 <212> DNA
 <213> Artificial sequence

<220>
 <223> artificial sequence from B-gal:promoter plasmid

<400> 20
 ctcgagatatt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
 aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
 gccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
 ttttgagggc ctaggctttt gcaaaaagct t 271

<210> 21
 <211> 32
 <212> DNA
 <213> Artificial sequence

<220>
 <223> primer for EGR-1 promoter sequence

<400> 21
 gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 22
 <211> 31
 <212> DNA
 <213> Artificial sequence

<220>
 <223> primer for EGR-1 promoter sequence

<400> 22
gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 23
<211> 73
<212> DNA
<213> Artificial sequence

<220>
<223> contains four tandem copies of the NF-KappaB binding site, 18 bp of sequence complementary to the 5' end of the 3SV40 early promoter sequence, and flanked with an XhoI site

<400> 23
gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60
ccatctcaat tag 73

<210> 24
<211> 256
<212> DNA
<213> Artificial sequence

<220>
<223> artificial sequence from pB-gal:promoter plasmid

<400> 24
ctcgagggga ctttcccgga gactttccgg ggactttccg ggactttcca tctgccatct 60
caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggcgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256

<210> 25
<211> 36
<212> DNA
<213> Artificial sequence

<220>
<223> contains a BamHI restriction site

<400> 25
cgaagagggga tccatgctgt tggcctgggt acaagc

36

<210> 26
<211> 40
<212> DNA
<213> Artificial sequence

<220>
<223> contains an XbaI restriction site

<400> 26
gccgggtcta gatcagacgt agcaccaggg cccgcgcggg

40

<210> 27
<211> 33
<212> DNA
<213> Artificial sequence

<220>
<223> contains an XbaI restriction site

<400> 27
cactggtcta gatcaggccc caggagtccc ggc

33

<210> 28
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> signature pattern of a kringle domain

<220>
<221> MISC_FEATURE
<222> (1)
<223> Xaa equals Phe or Tyr

<220>
<221> MISC_FEATURE
<222> (6)
<223> Xaa equals Asp or Asn or Arg

<400> 28
Xaa Cys Arg Asn Pro Xaa
1 5

<210> 29
<211> 33
<212> DNA
<213> Artificial sequence

<220>
<223> primer for subcloning

<400> 29
ggctcgcata tgtctggagg ctgtttctgg gac

33

<210> 30
<211> 40
<212> DNA
<213> Artificial sequence

<220>
<223> primer for subcloning

<400> 30
gcgcatggta ccttattagt cctttttctc cttggagttc

40

<210> 31
<211> 12
<212> DNA
<213> Artificial sequence

<220>
<223> NF-KappaB binding site

<400> 31
ggggactttc cc

12

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